

SUB E6  
D1

at 25 °C and one atmosphere absolute pressure, and wherein the hydrogen is less than about 80 % by volume of the non-condensable component at 25 °C and one atmosphere absolute pressure.

SUB E6  
D2

2171. (amended) The method of claim 2156, further comprising controlling a pressure within at least a majority of the first or the second section of the formation, wherein the controlled pressure is at least about 2.0 bar absolute.

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D3

2195. (amended) The method of claim 2156, further comprising:  
providing hydrogen (H<sub>2</sub>) to the first or the second section to hydrogenate hydrocarbons within the first or the second section; and  
heating a portion of the first or the second section with heat from hydrogenation.

SUB E6  
D4

5398. (amended) A method of treating a hydrocarbon containing formation in situ, comprising:  
heating a first section of the formation to produce a mixture from the formation;  
heating a second section of the formation;  
controlling a pressure and a temperature within at least a majority of the first or the second section of the formation, wherein the pressure is controlled as a function of temperature, or the temperature is controlled as a function of pressure; and  
introducing a portion of the produced mixture from the first section into the second section of the formation to provide a reducing environment within the second section of the formation.

#### Discussion

##### A. Pending Claims

Claims 2117-2124, 2126-2162, 2164-2192, and 5396-5402 are currently pending. Claims 2178, 2181, 2185, and 5398 are amended. The amendments to the claims clarify the claims and/or correct typographical errors.